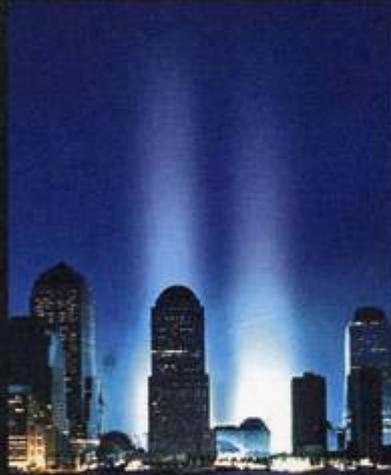


**New**York  
New**Visions**



**From Recovery to  
Renewal – Process of  
Revitalization of Lower  
Manhattan**

**BYENS NETVAERK  
COPENHAGEN URBAN  
NETWORK**

**23 September 2005  
Rick Bell, FAIA**

Principles for the Rebuilding of Lower Manhattan  
February 2002





## September 11

- 2,749 people lost their lives
- Seven buildings and a total of 30 million square feet of commercial office space was damaged or destroyed
- 1.6 million tons of debris filled the site
- More than 65,000 jobs disappeared



**Bathtub**

# Freedom Tower Cornerstone

July 4<sup>th</sup> 2004



New York New Visions is a *pro-bono* coalition of architecture, engineering, planning and design organizations committed to honoring the victims of the September 11 tragedy by rebuilding a vital New York.



American Institute of Architects  
American Institute of Graphic Arts  
American Planning Association  
American Society of Civil Engineers  
American Society of Landscape Architects  
Assoc. of Consulting Engineering Companies  
Architecture Research Institute  
Citizens Housing and Planning Council  
Design Trust for Public Space  
Environmental Simulation Center  
Industrial Designers Society of America  
Institute for Urban Design  
Municipal Art Society  
Pratt Center for Community & Env. Dev.  
Regional Plan Association  
Society for Environmental Graphic Design  
Storefront for Art and Architecture  
Structural Engineers Association of NY  
US Green Building Council  
Van Alen Institute



Imagine New York workshops at **300 locations**

# Civic Process

Listening to the City  
July 20<sup>th</sup> 2002  
Javits Center, NYC

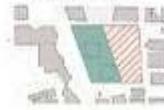


WORLD TRADE CENTER  
MEMORIAL AND REDEVELOPMENT

Daniel Libeskind, AIA, and Kevin Rampe

Public Meeting at AIA New York

## COMPARATIVE ANALYSIS: MEMORIAL, CIRCULATION, OPEN SPACE AND MASSING

OPTION	MEMORIAL TYPE	IMPLICATIONS	ALTERNATIVES				
			A	B	C	D	E
1	<p>LARGE OPEN SPACE</p> 	<p>16 acre site: undeveloped <b>Open space:</b> full site <b>Tower footprints:</b> undeveloped <b>Off-site development:</b> extensive</p>					
2	<p>PARTIAL OPEN SPACE INCLUDING FOOTPRINTS</p> 	<p>16 acre site: partially developed <b>Open Space:</b> large area including footprints <b>Tower footprints:</b> undeveloped <b>Off-site development:</b> variable</p>					
3	<p>SMALL URBAN SPACE ENGAGING FOOTPRINTS</p> 	<p>16 acre site: mostly developed <b>Open space:</b> relating to tower footprints <b>Tower footprints:</b> undeveloped <b>Off-site development:</b> variable</p>					
4	<p>BUILDINGS ON FOOTPRINTS</p> 	<p>16 acre site: partially developed <b>Open space:</b> not including tower footprints <b>Tower footprints:</b> developed as towers or memorial structures <b>Off-site development:</b> minimal</p>					
5	<p>OPEN SPACE UNRELATED TO FOOTPRINTS</p> 	<p>16 acre site: partially to fully developed <b>Open space:</b> no relationship to tower footprints <b>Tower footprints:</b> no influence on development <b>Off-site development:</b> minimal</p>					

1



Memorial Plaza

2



Memorial Square

3



Memorial Triangle

4



Memorial Garden

5



Memorial Park

6



Memorial Promenade

# New York New Visions

# Competition

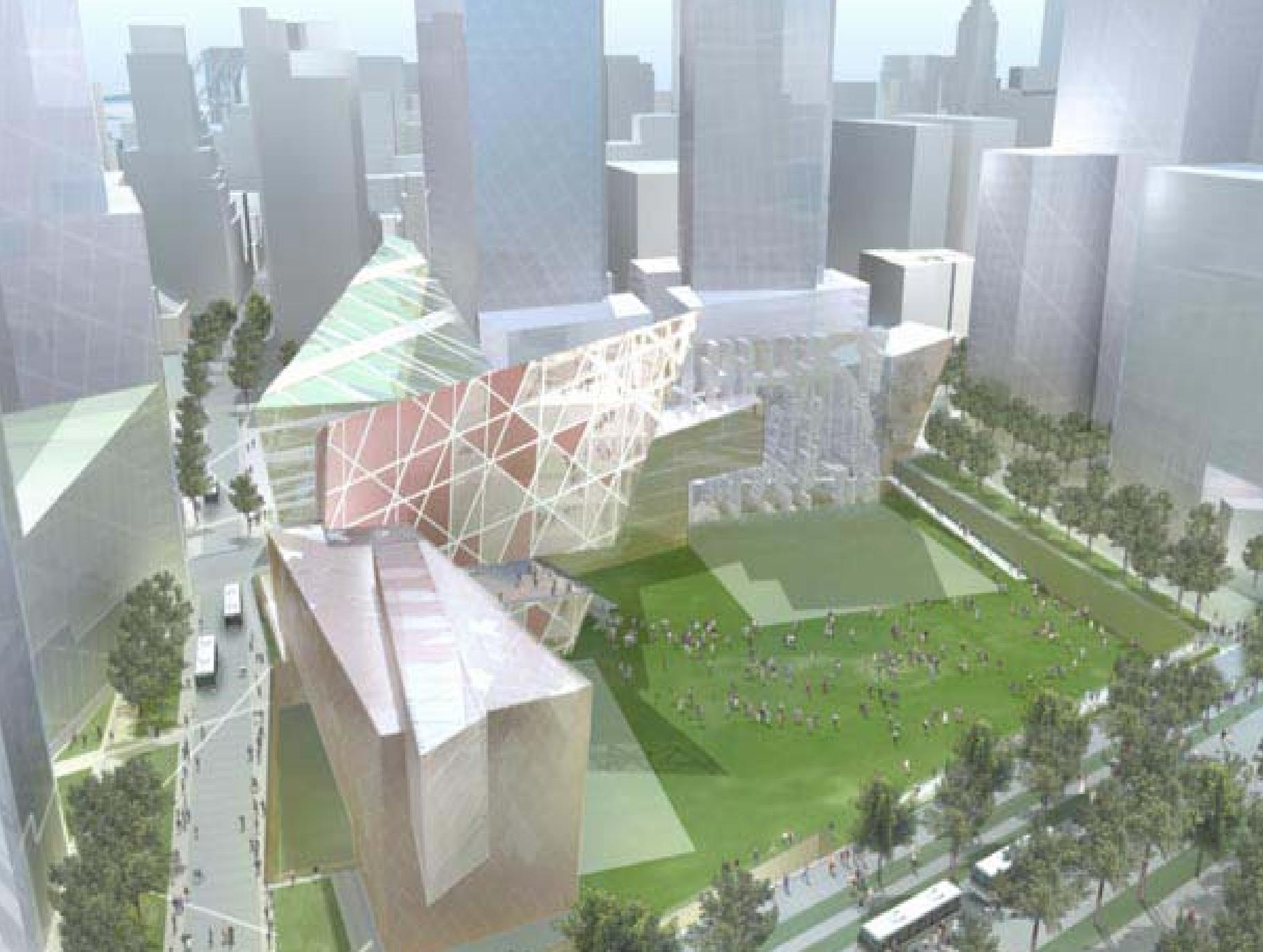


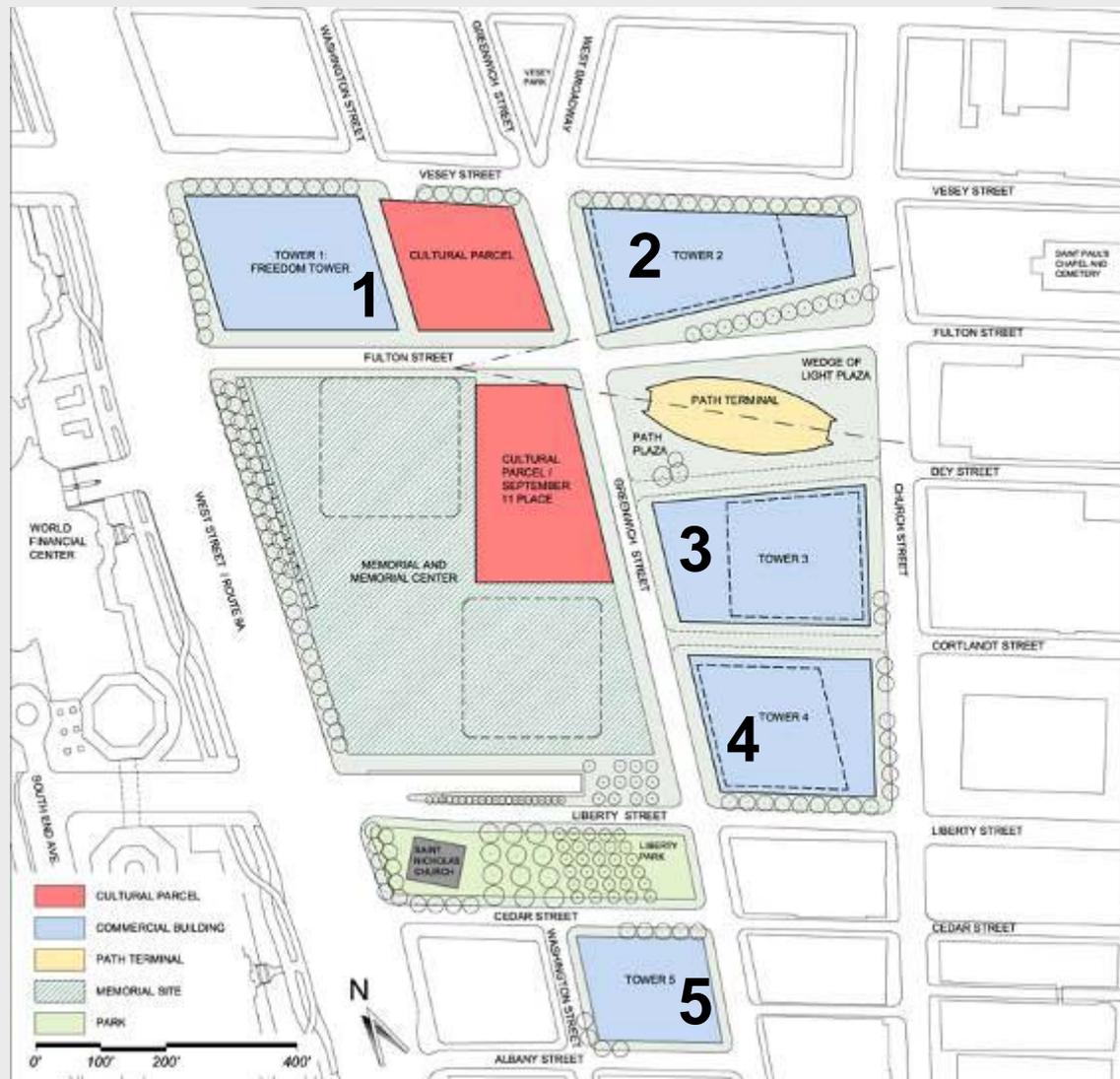
## Innovative Design Study



# Studio Libeskind







**TOWER 1: 2.6 MSF**

- 70 Office Floors
- Typical Floors: 36,000-40,000 s

**TOWER 2: 2.2 MSF**

- 65 Office Floors
- Typical Floors: 30,000-37,500 s

**TOWER 3: 1.9 MSF**

- 62 Office Floors
- Typical Floors: 22,500-35,500 s

**TOWER 4: 1.7 MSF**

- 58 Office Floors
- Typical Floors: 22,500-31,000 s

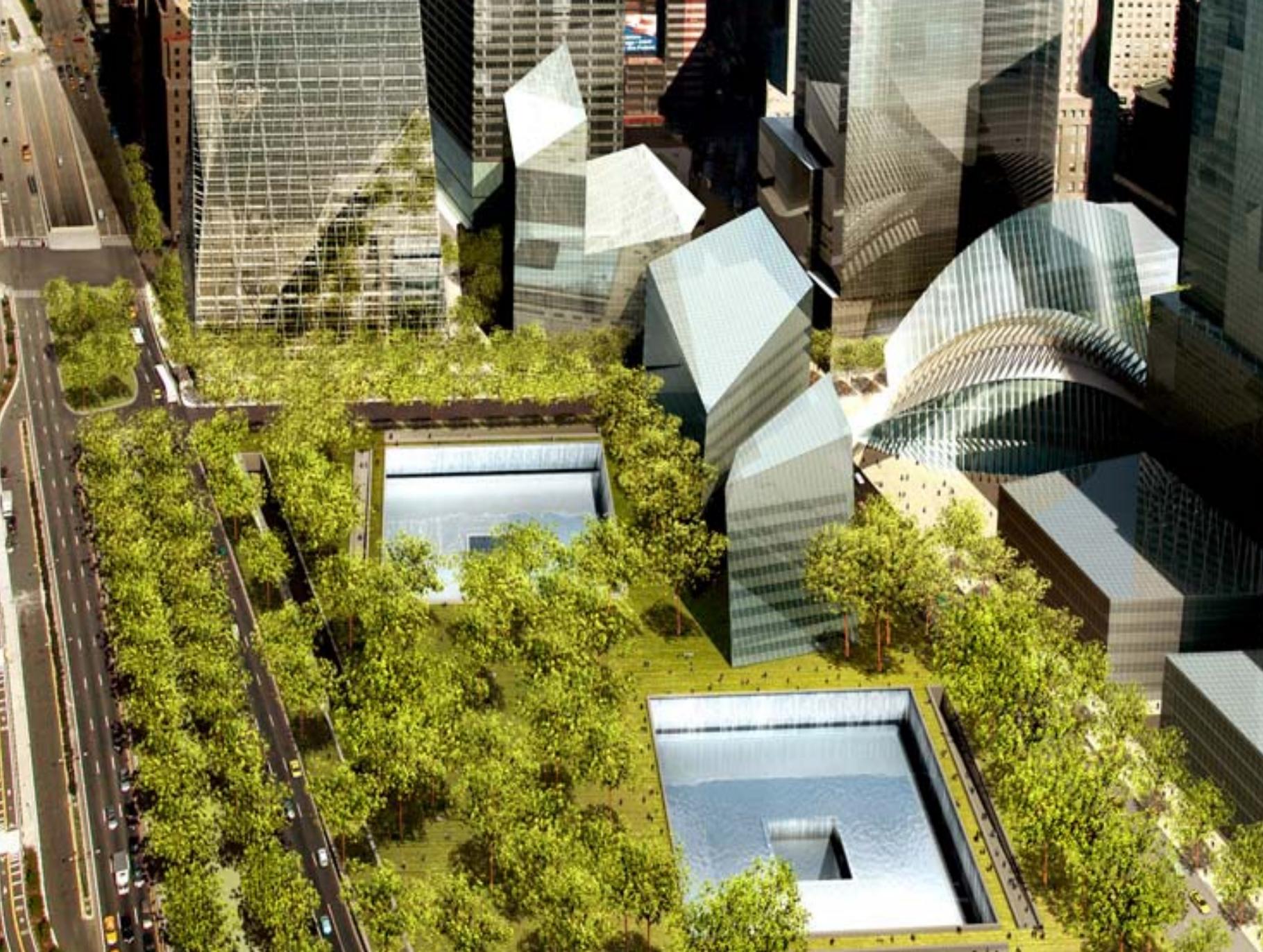
**TOWER 5: 1.6 MSF**

- 57 Office Floors
- Typical Floors: 24,500-31,500 s

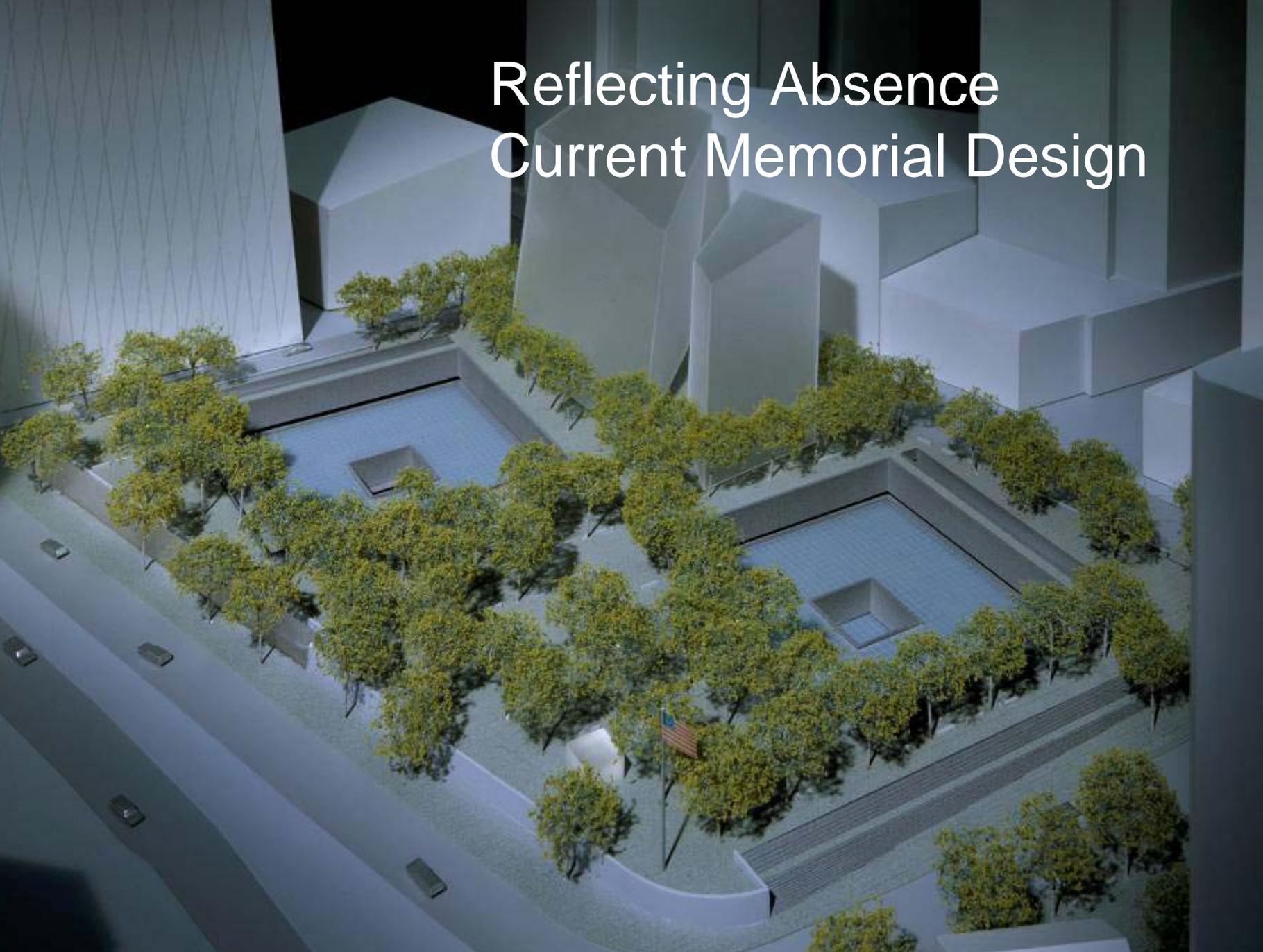
## Revised Freedom Tower 29 June 2005







# Reflecting Absence Current Memorial Design



- \$4.55 billion for transportation improvements
- \$1 billion for business recovery retention and attraction
- \$750 million for the creation of utility infrastructure
- \$280 million for residential recovery
- \$90 million for purchase of Deutsche Bank property
- \$65 million for downtown quality-of-life improvement
- \$15 million for tourism and visitor attraction campaign